

Outline

- BOBS Organization Structure
- Bridge Type and Composition/Terminology
- Asset Management
- Bridge Maintenance
- Bridge Design Process
- Bridge Plans
- Road and Bridge Coordination**
- Request for Action (RFA) Projects
- Design in Construction
- Accelerated Bridge Construction (ABC)
- Wrap up



1

Road and Bridge Design Coordination

2

Determine Lead Project Manager



CONSTRUCTION COST



SCOPE OF WORK FOR ROAD VS BRIDGE



NUMBER OF LOCATIONS



PROJECT ORIENTATION

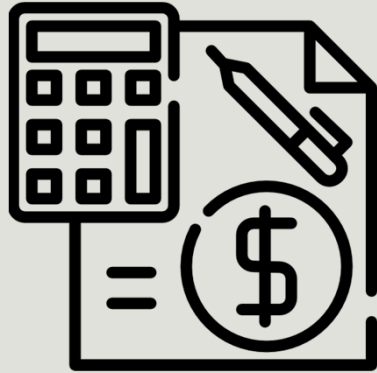
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Coordinating
Project
Schedules

4

Project Budget



- Confirm Roadway Limits
- Traffic Control Considerations
- ROW Acquisition
- Utility Relocation

5



Road and Bridge Design Coordination



- Bridge Cross Section
- Vertical Profile
- Horizontal Alignment
- Drainage Considerations
- End Treatments
- Maintaining Traffic

6





Bridge Cross Section



- Number of Lanes
- Pedestrian Facilities
- Future Widening

7

Bridge Cross Section



8

Bridge Cross Section (Rehabilitation)



Existing Structure
Geometry and Capacity

Underclearance

Horizontal Grade

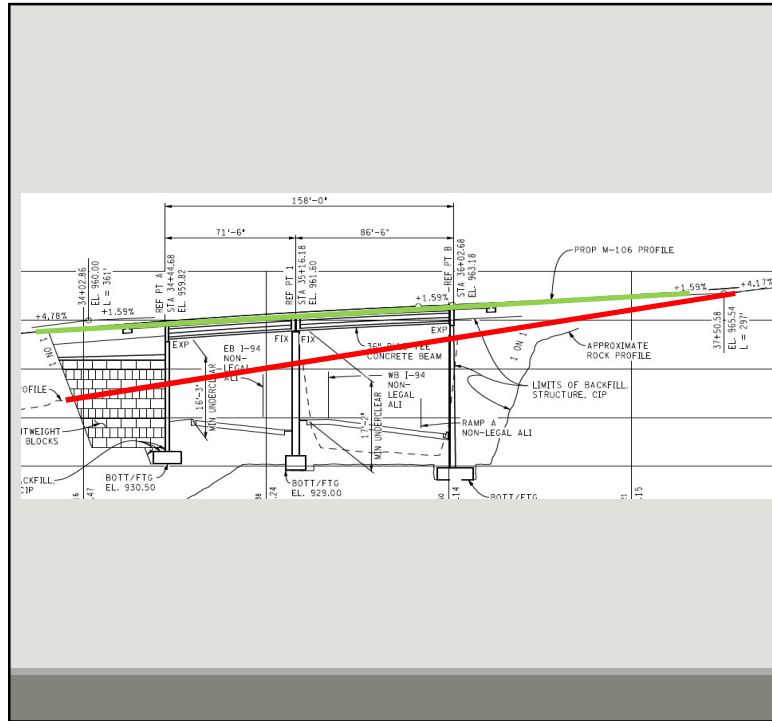
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M-204 over Lake Leelanau Example



10

Vertical Profile



Seamless Transition

Establishing Grade for Drainage

Providing Adequate Underclearance

11

Vertical Profile (Rehabilitation)



Drain Water off Bridge



Eliminate Existing Deck Drains

12

Vertical Profile Example

Downtown
Intersection



13

Horizontal Alignment



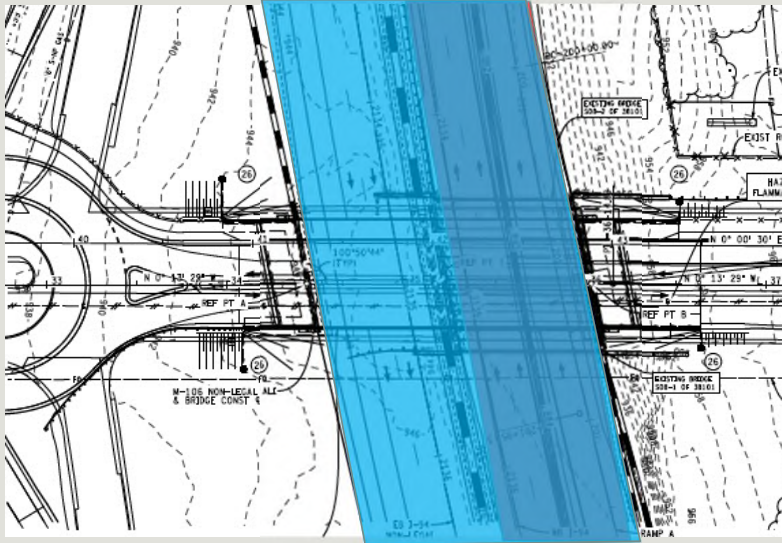
Horizontal Curve

Alignment

Superelevation Rate

14

Horizontal Alignment



Substructure
Locations

Bridge Skew Angle

Span Lengths

15

End Treatments



16

Maintaining Traffic



17



Wrap-Up

Coordination of Schedule and Budget

Road Design Prior to Bridge Design Starting

Importance of Close Coordination

18